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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,183	09/17/2003	Loren Eugene Karnes	20030820-001	3323
7:	590 04/06/2005		EXAM	INER
Roger L. Belfay			THOMPSON, HUGH B	
829 Tuscarora Avenue Saint Paul, MN 55102			ART UNIT	PAPER NUMBER
			3634	

DATE MAILED: 04/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/664,183	KARNES ET AL.				
Office Action Summary	Examiner	Art Unit				
	Hugh B. Thompson II	3634				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with th	e correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply by within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS for cause the application to become ABANDO	e timely filed days will be considered timely. rom the mailing date of this communication. NED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 20 December 2004.						
,	·					
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-8 is/are rejected. 7) ⊠ Claim(s) 9 and 10 is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Appli rity documents have been rec u (PCT Rule 17.2(a)).	cation No eived in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summ Paper No(s)/Ma 5) Notice of Inform 6) Other:	ill Date nal Patent Application (PTO-152)				

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DETAILED ACTION

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 3 and 8 both depend from claim 1, and they recite the exact same subject matter, as such, one of the claims should be canceled or the scope of the claim changed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Da-Tan et al #4,941,549. Da-Tan et al disclose an escape system comprised of harness 52, rope/cables/chains 21, 41, reel 19, shaft 17, reduction gear assembly 23, 25, 26, 42, brake assembly 20, discs 27, 28, centrifugal member 31, housing 12, and fixing means 34.

Allowable Subject Matter

Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The primary reason for the allowable subject matter is the inclusion of a shaft connecting the central disk and piercing the casing to connect to an external source of rotary motion. The prior art of record fails to teach or suggest the claimed features absent the applicants' own disclosure.

Response to Arguments

Applicant's arguments filed in the Amendment of 12-20-04 have been fully considered but they are not persuasive. The applicant's attention is drawn to the provided Merriam Webster's 10th Edition meaning of cable, i.e., "a wire rope or metal chain of great tensile strength". It is well accepted within the art to refer to a cable as a chain or rope. As such applicant's argument with respect to a rope/cable versus a chain will not be addressed further. In addition, the applicant fails to *claim* that the present invention teaches "a cable and reel assembly in which the cable is payed out (not circulated) by rotation of the wheel". The claim limitation "for storage of the cable" does not impart the aforementioned "teaching". It is

suggested that the applicant recite that the cable is housed in a coiled position on the reel and is then "payed out and not circulated by rotational of the wheel." Absent such a recitation, the DaTan et al reference "reads-on" the system as claimed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hugh B. Thompson II whose telephone number is (703) 305-0102. The examiner can normally be reached on Monday thru Friday 9 am to 5:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Cuomo can be reached on (703) 308-0827. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hugh B. Thompson II Primary Examiner Art Unit 3634 Page 5

April 1, 2005

tured programming language designed to produce a compact and efficient translation of a program into machine language ca' \'ko', 'kà', Scot var of CALI.

'cab \'kab, 'kàb\ n [Heb qabh] (1535): an ancient Hebrew unit of capacity equal to about two quarts (2.2 liters)

'cab \'kab\ n [short for cabriolet] (1827) 1 a (1): CABRIOLET (2): a similar light closed carriage (as a hansom) b: a carriage for hire 2: TAXICAB 3 [short for cabin] a: the part of a locomotive that houses the engineer and operating controls b: a comparable shelter (as on a truck) housing operating controls

interpreter, or devotee of the Jewish cabala 2: one skilled in esoteric doctrine or mysterious art 2ca-bal-ist \k-b-ba-list, -ba-\ n (1569): a member of a cabal ca-bal-iero \ka-b-2er-(\lambda, b-b\)(1)-yer-\ n, pl-ros [Sp, fr. LL cabal-larius hostler — more at CAVALIER [1749] 1: KNIGHT. CAVALIER 2 chiefly Southwest: HORSEMAN

Ca-bana \k-b-ban-ya, -ba-n-\ n [Sp cabaña, lit., hut, fr. ML capanna] (1890) 1: a shelter resembling a cabin usu. with an open side facing a beach or swimming pool 2: a lightweight structure with living facilities

beach or swimming pool 2: a lightweight structure with living facilities
cab-a-ret \ka-ba-\ra, 'ka-ba-\n [F, fr. ONF] (1655) 1 archaic: a
shop selling wines and liquors 2 a: a restaurant serving liquor and
providing entertainment (as by singers or dancers): NIGHTCLUB b
: the show provided at a cabaret
'cab-bage \ka-bi\n. often attrib [ME caboche, fr. ONF, head] (15c). 1
: a leafy garden plant (Brassica oleracea capitata) of European origin
with a short stem and a dense globular head of usu green leaves that is
used as a vegetable 2 slang: PAPER MONEY, BANKNOTES
'cabbage n [perh. by folk etymology fr. MF cabas cheating, theft]
(1663) Brit: pieces of cloth left in cutting out garments and traditionally kept by tailors as perquisites
'cabbage v cab-baged; cab-bag-ing (1712): STEAL FILCH
cabbage butterfly n (1816): any of several
largely white butterflies (family Pieridae) whose
green larvae are cabbagewoms; esp: a small
cosmopolitan butterfly (Pieris rapae syn. Artogeia rapae) that is a pest on cabbage — called
also cabbage white
cabbage looper n (ca. 1902): a noctuid moth
(Trichoplusia ni) having pale green white-striped
larvae that feed on cruciferous plants (as the

larvae that feed on cruciferous plants (as the

caboage palm n (ca. 1784); a palm with terminal buds eaten as a vegetable cabbage palmetto n (1802); a cabbage palm (Sabal palmetto) with fan-shaped leaves that is native to coastal southeastern U.S. and the Bahamas

cabbage butterfly: 1

native to coastal southeastern U.S. and the Bahamas
cabbage rose n (1795): a fragrant garden rose
(Rosa centifolia) with upright branches and large pink flowers
cab-bage-worm 'Ka-bij,-wom\n n (1688): an insect larva (as of a
cabbage butterfly) that feeds on cabbages
cab-bie or cab-by \ka-be\n, pl cabbies (1859): CABDRIVER
cab-driver \ka-bi, 'ka-\n | SeGael cabar| (1505): POLE esp: a young tree
trunk used for tossing as a trial of strength in a Scottish sport
cab-er-net sau-vi-gnon \ka-bor-\na-so-ve-'nyon\n, often cap C&S [F]
(1941): a dry red wine made from a single widely cultivated variety of
black grape — called also cabernet.

'cab-in \ka-bon\n | [ME cabane, fr. MF, fr. OProv cabana hut, fr. ML
capanna| (14c) 1 a (1): a private room on a ship or boat (2): a
compartment below deck on a boat used for living accommodations b
: the passenger or cargo compartment of a vehicle (as an airplane or
automobile) c: the crew compartment of an exploratory vehicle (as a
spacecraft) 2: a small one-story dwelling usu. of simple construction
3 chiefly Brit: caB3

cabin vi (1586): to live in or as if in a cabin ~ vi: CONFINE
cabin class n (1929): a class of accommodations on a passenger ship
superior to tourist class and inferior to first class

cabin crulser n (1879): cruser 1b

cabin card (1879): cruser 1b

cabin card (1879): calose
cabin cand shelves n | MF, small room, dimi of ONF cabine
gambling house] (ca. 1550) · 1 a : a case or cupboard usu. having
doors and shelves h : a collection of specimens esp. of biological or
numismatic interest console 4 a chamber having tempera-

ture and humidity controls and used esp. for incubating biological samples 2 a archaic: a small room providing seclusion b: a small exhibition room in a museum 3 a archaic (1): the private room serving as council chamber of the chief councillors or ministers of a sovereign (2): the consultations and actions of these councillors, in (1) often cap: a body of advisers of a head of state (2): a similar advisory council of a governor of a state or a mayor c Brit: a meeting of a cabinet

of a cabinet

*cabinet adj (1631) 1: of or relating to a governmental cabinet

: suitable by reason of size for a small room or by reason of attracti
ness or perfection for preservation and display in a cabinet 3

: used or adapted for cabinetmaking b: done or used by a cabinet

maker cab-i-net-mak-er \-,mā-kər\ n (1681): a skilled woodworker who makes fine furniture — cab-i-net-mak-ing \-,mā-kin\ n cab-i-net-ry \'tab-ni-trē, 'ka-bə-\ n (1926): CABINETWORK; also: CABINETWORK; al

NETS (kitchen ~)
cab-i-net-work \-, work\ n (1732) : finished woodwork made by

cabinetmaker cabin fever n (1918): extreme irritability and restlessness from living

cabin fever n (1918): extreme irritability and restlessness from living in isolation or a confined indoor area for a prolonged time cable \(\frac{k\tilde{a}}{k\tilde{a}}\)-ble \(\frac{ wire of wire tope by which force is exerted to control or operate mechanism 2: CABLE LENGTH 3 a: an assembly of electrical conductors insulated from each other but laid up together usu, by beint twisted around a central core b: CABLEGRAM: also: a radio messar or telegram 4: something resembling or fashioned like a cable of fiber-optic >> 5: CABLETELEVISION

'cable vb ca-bled; ca-bling \ka-b(-)\liny vi (ca. 1500) 1: to faster with or as if with a cable 2: to provide with cables 3: to telegraph by submarine cable 4: to make into a cable or into a form resembling a cable >= vi: to communicate by a submarine cable cable car ni (1887): a vehicle moved by an endless cable: a: one suspended from an overhead cable b: one that moves along tracks of ca-ble-gram \ka-bol-gram \ni (1868): a message sent by a submarine telegraph cable

ca-ble-laid \ka-bsl-\frac{1}{16} \ka-bsl-\frac{1}{16} \ka-ksl-\ka-bsl-\frac{1}{16} \ka-ksl-\ka

gether

cable length n (1555): a maritime unit of length variously reckoned is

100 fathoms, 120 fathoms, or 608 feet

cable television n (1965): a system of television reception in which
signals from distant stations are picked up by a master antenna and
sent by cable to the individual receivers of paying subscribers — called
also cable TV

sent by cable to the individual receivers of paying subscribers — caims also cable TV
ca-ble-way \kā-bəl-,wā\ n (1899): a suspended cable used as a tractal cabman \kab-mən\ n (1834): CABDRIVER
cab-o-chon \ka-bə-,shān\ n [MF, dim. of ONF caboche head] (1578): a gem or bead cut in convex form and highly polished but not the ceted: also: this style of cutting — cabochon adv
ca-boo-dle \ka-bū-dl\ n [prob. fr. ca-(intensive prefix) + boodle] (2): 1848): COLLECTION.LOT (sell the whole ~)
ca-boose \ka-bū-shān\ n [prob. fr. D kabuis, fr. MLG kabūse] (1769) (1): a ship's galley 2: a freight-train car attached usu. to the rear mainty for the use of the train crew 3: one that follows or brings up the rear cab-o-tage \ka-ba-izah\ n [F, fr. caboter to sail along the coast] (1819)
1: trade or transport in coastal waters or airspace or between points within a country 2: the right to engage in cabotage
ca-bret-la \ka-bre-bi-a\ n [modif. of Pg and Sp cabra goat] (1926); a light soft leather from skins of hairy sheep
ca-bril-la \ka-bre-bi-a-bril-a\ n [Sp. dim. of cabra goat, fr. L capra use goat, fem. of caper he-goat — more at CAPRIOLE] (1859): any of varyous sea basses (esp. of the genera Epinephelus and Paralabrax) of the Mediterranean, the California coast, and the warmer parts of the ween cabralia \kab cabra-brie-bi\ n [F. caper] (ca. 1797)

1: a ballet leap, in the cabra cabra coast \kappa a bril-a kabra-brie-bi\ n [F. caper] (ca. 1797)

Mediterranean, the California coast, and the wall and the cabri-ole \ka-brē-\overline{0}\ n \ [F, caper] (ca. 1797) 1: a ballet leap in which one leg is extended in midair and the other struck against it is a curved furniture leg ending in an ornamental foot cab-ri-o-let \ka-brē-\overline{0}\ n \ [F, fr. dim. of cabriole caper, alter. of Macapriole] (1763) 1: a light 2-wheeled one-horse carriage with a folding leather hood, a large apron, and upward-curving shafts 2: a convenible course.

ible coupe cab-stand \ n (1848): a place where cabs await hire cac- or caco- comb form [NL, fr. Gk kak-, kako-, fr. kakos bad]:

cab-stand \kab., stand\ n (1848): a place where cabs await hire cac- or caco- comb form [NL, fr. Gk kak., kako., fr. kakos bad]; he cacao caco comb form [NL, fr. Gk kak., kako., fr. kakos bad]; he cacao caco cache. It is shown to make the cache cache cache. It is shown to make the cache cache cache. It is shown to make the cache cache. It is shown to make the cache cache. It is shown to make the cache. It is shown the cache. It is shown to make the cache. It is shown that the cache. It is shown the cache. It is shown that the cache. It is shown that the cache cache. It is shown that the ca

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